

Wind Over a City, by N. Z. Ariel, L. A.
Klyuchnikova, 6 pp.

RUSSIAN, per, Trudy Glav Geofiz Observ imeni
A. I. Voyaykova, No 94, 1960, pp 29-32.

Amer Meteorol Soc X-R-276
AF Cambridge R&S Center

Sci - Geophys
Sep 61

167, 819

Westinghouse

The Role of Radiant and Turbulent Heat Exchange
in the Formation of the Temperature Stratification
of the Boundary Layer of the Atmosphere, by
L. A. Klyuchnikova, 7. N. Shokhtar, 8 pp.

RUSSIAN, per, Trudy Glav Geofiz Observ imeni
A. I. Voznyakova, No 94, 1960, pp 33-38. 9626923

Soviet Meteorol Soc T-R-380

Sci - Geophys
Feb 62

184, 925

An Operational Method of Computing the Wind
Profile in the Boundary Layer of the Atmosphere,
by N. Z. Ariel', L. A. Klyuchnikova, 5 pp.

ISSUES, per, Trudy Glav Geofiz (Theory and
Appl. I. Voznykova, No 9, 1960, pp 39-41. 962224

Amer Meteorol Soc T-8-361

Sci - Geophys
PL 62

184,978

The Theory of the Transformation of Air Masses
Above the Sea, by M. Ya. Berlyand, Kim Sin-man,
9 pp.

RUSSIAN, per, Trudy Glav Geofiz Observ imeni
A. I. Vopreykova, No 94, 1960, pp 138-144. 9626729

Amer Meteorol Soc T-R-386

Sci - Geophys
Ref 62

67-62-3210-
185,058

Conditions of Fog Formation, by M. Ye. Berlyand,

Trudy Glav Geofiz Observ imeni

Vorobjkova, No 94, 1960, pp 145-148. 9626974

Amer Meteorol Soc E-R-382

Sci. Geophys

Vol. 62

184, 979

Investigation of the Characteristics of Fog
Formation, by V. P. Gracheva, 11 pp.

RUSSIAN, per, Trudy Glav Geofiz Observ imeni
A. I. Voyeykova, No 94, 1960, pp 149-155. 9676975

Amer Meteorol Soc T-R-383

Sov. Geophys
Feb 62

184, 980

The Diurnal Variation of Absolute Humidity in
the Surface Layer of the Atmosphere, by
I. I. Solomatina, 11 pp.

RUSSIAN, per, Trudy Glav Geofiz. Observ. izdani
A. I. Vovaykova, No 94, p 1960, pp 156-162.

Amer Meteorol Soc T-R-384

Sol. I. Geofizika
Feb 62

NL 184, 981

1966 T-R-384

REF ID: T-R-384 9099175

Imyanitov, I. M.
CHANGE IN THE ATMOSPHERIC ELECTRIC FIELD
DURING SOLAR ECLIPSES. [1961] 3p.
Order from ATS \$3.25 ATS-34N53R

Trans. of Kavaya Gerdizhichskaya Observatoriya
[Leningrad, Trudy (USSR) 1960, no. 97(159) p. 3-4.

DESCRIPTORS: *Solar eclipse, Electrical effects,
*Atmosphere, *Electric fields.

(Astronomy: Astrophysics, TT, v. 6, no. 6)

61-25057

I. Imyanitov, I. M.
II. ATS-34N53R
III. Associated Technical
Services, Inc., East
Orange, N. J.

176721

Office of Technical Services

Imyanitov, I. M.
ELECTRIC FIELDS IN CUMULUS CONGATUS AND
THUNDERCLOUDS AND USE OF DATA CONCERNING
THEM TO ENABLE AIRCRAFT TO AVOID THUNDER-
STORMS. [1961] 10p.
Order from ATS \$18.50

ATS-48N52R

Trans. of Glavnyy Geofizicheskiy Observatoriya
[Leningrad] Trudy (USSR) 1960, no. 97 [159] p. 5-15.

DESCRIPTORS: *Cumulus clouds, *Thunderclouds,
*Electric field, Analysis, *Aircraft, Navigation,
Meteorology.

NASA TT F-8062-

RT-3555

(Earth Sciences--Meteorology. TT, v. 6, no. 6)

61-25060

I. Imyanitov, I. M.
II. ATS-48N52R
III. Associated Technical
Services, Inc., East
Orange, N. J.

176722

Office of Technical Services

Imyanitov, I. M. and Mikhailovskaya, V. V.
EXPERIMENTAL STUDY OF THE CHARGES ON
PRECIPITATION PARTICLES IN THE FREE
ATMOSPHERE. [1961] 16p.
Order from ATS 1:50

ATS-49NSZR

Trans. of Glavnaya Geofizicheskaya Observatoriya
[Leningrad] (USSR) 1960, no. 97[159]
p. 16-33.

DESCRIPTORS: *Precipitation, Electrical properties,
Particles, Atmosphere.

(Earth Sciences--Meteorology, TT, v. 6, no. 9)

61-25349

I. Imyanitov, I. M.
II. Mikhailovskaya, V. V.
III. ATS-49NSZR
IV. Associated Technical
Services, Inc.,
East Orange, N. J.

185567

Office of Technical Services

Daily Number of Storm Discharges, by B. F. Loch,
RUSSIAN, per, Trudy Glavnoy Geofiz Observ, No 97,
1960, pp 39-42.

*ATS:

15 May 61

per memo - OSI 3 May 61

Measurement of the Charge of Rain in Voyeykovo in
1958, by V. P. Kolokolov,

RUSSIAN, per, Trudy Glavnoy Geofiz Observ, No 97,
1960, pp 43-47.

*ATS

15 May 61

per memo - OSI 3 May 61

Makhotkin, L. G.
CHANGE IN THE CHARGES ON DROPS DURING
EVAPORATION. [1960] 3p.
Order from ATS \$4.25

ATS-39N48R

Trans. of Glavnaia Geofizicheskaya Observatoriya
(Leningrad), Trudy (USSR) 1960, no. 97, p. 48-50.

151548

(Chemistry-Physical TT, v. 5, no. 8)

61-12775

1. Drops--Electrical properties
2. Evaporation--Electrical effects

- I. Makhotkin, L. G.
- II. ATS-39N48R
- III. Associated Technical Services, Inc., East Orange, N. J.

ATS/MT-2732

Office of Technical Services

Electrical Charges of Fog and Cloud Drops, by L. G.
Makhotkin, V. A. Solov'yev,

RUSSIAN, per, Trudy Glavnoy Geofiz Observ, No 97,
1960, pp 51-52.

*ATS

15 May 61

per memo - OSI 3 May 61

VISIBILITY IN FALLING SNOW, BY E. A. POLYAKOVA,
V. D. TRETYAKOV.

RUSSIAN, PER, TRUDY GLVANOY GEOPHIZ OBSERV,
NO 100, 1960, PP 53-57.

NLL M. 3820

SCI - GEOPHYS

OCT 62

214,779

MICROSTRUCTURE AND TRANSPARENCY OF FALLING SNOW,
BY L. P. ZEL'MANOVICH.

RUSSIAN, PER, TRUDY GLAVNOY GEOFIZ OBSERV, NO 100,
1960, PP 58-64.

NLL M. 3746

SCI - GEOPHYS

OCT 62

214,173

SOME CHARACTERISTICS OF THE ATMOSPHERE FAVOURABLE
TO CUMULUS AND CUMULO-NIMBUS CLOUDS, BY E. S.
SELEZHEVA, M. P. CURINOVA.

RUSSIAN, PER TRUDY GLAVNOY GEOFIZ OBSERV, NO 102,
1960, PP 3-20.

NLL M. 3744

SCI - GEOPHYS

DATE

214,169

OCT 62

Investigation of the Breakup of Convective Clouds
During Unstable Stratification of the Atmosphere,
by N. S. Shishkin,

RUSSIAN. per, Trudy Glavnoy Geofiz Observ, No 102,
1960, pp 21-49.

*ATS

15 May 61

per memo - OSI 3 May 61

Nikandrova, G. T. and Khimach, M. A.
CHARACTERISTICS OF THE MICROSTRUCTURE OF
SUPERCOOLED CLOUDS. [1960] 7p.
Order from ATS \$11.85 ATS-82M46R

Trans. of Clayhara Geofiz[icheskaya] Observatoriya
[Leningrad]. Trudy (USSR) 1960, no. 102, p. 50-57.

148,599

(Earth Sciences--Meteorology. TT, v. 5, no. 7)

61-12291

- I. Clouds--Temperature factors
- I. Nikandrova, G. T.
- II. Khimach, M. A.
- III. ATS-82M46R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

ATS/RJ-2851

Office of Technical Services

Nikandrova, G. T. and Fridman, Yu. S.
PROCEDURE FOR DETERMINING THE SIZE DIS-
TRIBUTION OF DROPS IN CLOUDS. [1961] Sp.
Order from ATS 10.00 ATS-47N52R

Trans. of Glavn. A. Geofiz[icheskaya] Observatoriya
[Leningrad], (Trudy) (USSR) 1960, no. 102[164]
p. 58-62.

DESCRIPTORS: Clouds, *Drops, Determination,
Moisture.

AT-3563

61-25068

- I. Nikandrova, G. T.
- II. Fridman, Yu. S.
- III. ATS-47N52R
- IV. Associated Technical
Services, East Orange,
N. J.

176729

Office of Technical Services

Kotov, N. V.
RADAR CHARACTERISTICS OF RAINSTORMS AND
THUNDERSTORMS. [1960] 31p.
Order from ATS \$41.30

ATS-84M46R

Trans. of Glavnaya Geofizicheskaya Observatoriya
[Leningrad] Trudy (USSR) 1960, no. 102, p. 63-93.
Abstract translation is available from LC or SLA
ml\$2.70, ph\$4.80 in 61-15182, 30 Nov 60 [21]p.

148,664

(Earth Sciences--Meteorology. TT, v. 5, no. 7)

61-12685

- I. Storms--Radar analysis
- I. Kotov, N. V.
- II. ATS-84M46R
- III. Associated Technical
Services, Inc., East
Orange, N. J.

ATC/AT 2221

Office of Technical Services

Sal'man, Ye. M.

PROBLEM OF THE OPTIMUM RADAR WAVE-
LENGTH FOR THE DETECTION OF CLOUD SYS-
TEMS AND PRECIPITATION. [1960] 10p.
Order from ATS \$16.40 ATS-83M46R

Trans. of Glavnaya Geofizicheskaia Observatoriya
[Leningrad]. Trudy (USSR) 1960, no. 102, p. 94-103.

148,601

(Earth Sciences--Meteorology, TT, v. 5, no. 7)

61-12301

1. Meteorological radar
2. Clouds--Detection
3. Precipitation--Detection

I. Sal'man, Ye. M.

II. ATS-83M46R

III. Associated Technical
Services, Inc., East
Orange, N. J.

473/KJ-2030

Office of Technical Services

D. P. Bessalov

*Methods and apparatus for experimental determination of
heat exchange in soil.*

RUSSIAN, per, Trudy Leningrad. Glavnaya geofizicheskaja
Observatorija, Vol 103, 1960, pp 66-64.

*NASA REF ID: A74,329

6124 70

(DC-~~XXXX~~
6341)

Measurement of the Vertical Component of Wind
Velocity with Ultrasonics, by N. P. Fateyev, 8 pp.

RUSSIA, per, Trudy Glav Geofiz Observ Imeni
A. I. Veyeykova, No 103, 1960, pp 85-89.

JPRS 11635

Sci - Geophys
Jan 62

179,230

n',
The Selfrecorder M-45 for Recording Mean Wind
Speed and Direction, by B. E. Karpusha.

RUBINIAN, per, Trudy Glav Geofiz Observ, No 103,
1960, pp 93-102.

MIL M 5079

Sci - Earth Sci & Astron
May 63

229,336

Running
Method and Equipment for Obtaining Running
Averages and Their Use in Recording Wind Speed,
by N. G. Protogopov.

RUSSIAN, par, Trudy Glav Sool's Observ, No 103,
1960, pp 109-112.

MLL N 5069

Sci - Earth Sci & Astron
NY 63

229,142

Shishkin, N. S.
CALCULATION OF THE VERTICAL GROWTH RATE
OF CONVECTIVE CLOUDS. [1961] 11p.
Order from ATS \$15.00

ATS-37N52R

Trans. of (Glavnaya Geofizicheskaya) Observatoriya
[Leningrad] (Trudy) USSR 1960, No. 104 [166] p. 3-13.

DESCRIPTORS: *Clouds, Growth, Determination.

FID 212-1342/1

967-100

RJ-5566

(Earth Sciences--Meteorology, TT-6, No. 6)

61-25053

- I. Shishkin, N. S.
- II. ATS-37N52R
- III. Associated Technical
Services, Inc., East
Orange, N. J.

176717

Office of Technical Services

Barukova, Yu. A., Kamaldina, I. I. and others.
THE QUANTITY AND INTENSITY OF PRECIPITATION
FROM CONVECTIVE CLOUDS. [1961] 10p.
Order from ATS \$13.50 ATS-38N52R

Trans. of Olavna Geofizicheskaia Observatoriya
[Leningrad] (Trudy SSSR) 1960, no. 104 [166] p. 14-24.

DESCRIPTORS: *Clouds, *Precipitation, Intensity,
Determination.

FTD 100-1240/1

167 3100

RJ-3567

(Part 1 of 2) -- Meteorology, TT, v. 6, no. 6)

61-25035

I. Barukova, Yu. A.
II. Kamaldina, I. I.
III. ATS-38N52R
IV. Associated Technical
Services, Inc., East
Orange, N. J.

176706

Office of Technical Services

(Earth Sciences - Meteorology, TT, v. 6, no. 6)

Khimich, M. A. and Shishkin, N. S.
VARIATIONS IN THE MICROSTRUCTURE OF CONVECTIVE CLOUDS DURING PRECIPITATION FALL-OUT.

[1961] 13p.

Order from ATS \$17.60

ATS-39N52R

Trans. of Glavnaya Geofizicheskaya Observatoriya
[Leningrad]. (Trudy) (USSR) 1960, no. 104 [166] p. 25-38.

DESCRIPTORS: *Clouds, Microstructure, *Precipitation.

61-25049

I. Khimich, M. A.

II. Shishkin, N. S.

III. ATS-39N52R

IV. Associated Technical
Services, Inc., East
Orange, N. J.

176715

Office of Technical Services

(Earth Sciences - Meteorology, TT, v. 6, no. 6)

Data on the Crystallization Temperature
of the Tops of Cumulus Congestus Clouds
in Various Physicogeographic Regions, by
G. P. Chuvayev, 11 pp.

RUSSIAN, per, Trudy Glavnyy Geofiz Observ,
no 104, 1960, pp 39-45. 9672000

FTD MCL-1540/1

Sci - Geophys

176, 120

10 Dec 61

AT-1000
AT-2100

Klimov, F. Ya.
SOME PROPERTIES OF THE SOLID WATER PHASE
IN THE ATMOSPHERE AT LOW NEGATIVE AIR
TEMPERATURES. [1961] 7p.
Order from ATS \$11.50 ATS-61N52R

Trans. of Glavnaia (Gosfizicheskaya) Observatoriya
[Leningrad] Trudy (USSR) 1960, no. 104[166]
p. 46-52.

DESCRIPTION: Mail, Physical properties,
Temperature.

FTD MCP-1349/1

176733

(Earth Sciences--Meteorology, TT, v. 6, no. 6)

61-25073

I. Klimov, F. Ya.
II. ATS-61N52R
III. Associated Technical
Services, Inc., East
Orange, N. J.

176733

Office of Technical Services

Zabrodskii, I. M., Zaitsev, V. Z. and others.
ATMOSPHERIC SOUNDINGS WITH A TU-104 AIR-
CRAFT. [1961] 1cp.
Order from AT5 \$18.00 AT5-42N52R

Trans. of Uliyarskaya Geofizicheskaya Observatoriya
[Leningrad] Trudy (USSR) 1960, no. 104[166] p. 53-67.

DESCRIPTORS: *Atmospheric sounding, Instrumentation, Aircraft.

FID 100-134011

RT-3571

(Earth Science)--Atmosphere, TT, v. 6, no. 6)

61-25062

- I. Title: TU-104
 I. Zabrodskii, G. M.
 II. Zaitsev, V. Z.
 III. ATS-42N52R
 IV. Associated Technical
 Services, Inc., East
 Orange, N. J.

176725

Office of Technical Services

Chuvaev, A. P.
INVESTIGATION OF THE WATER RESOURCES OF
CLOUDS DURING THE WARM HALF-YEAR IN THE
BASIN OF LAKE SEVAN. [1961] 8p.
Order from ATS \$11.25 ATS-43N52R

Trans. of Glavnay Geofiz[icheskaya] Observatoriya
[Leningrad]. Trud (USSR) 1960, no. 104[166] p. 68-74.

DESCRIPTORS: *Clouds, Moisture.

FTD N 11-134711

960000

(Earth Sciences--Meteorology. TT, v. 6, no. 6)

61-25044

- I. Chuvaev, A. P.
- II. ATS-43N52R
- III. Associated Technical
Services, Inc., East
Orange, N. J.

176711

Office of Technical Services

The Use of Colloidal Solutions for the
Seeding of Supercooled Clouds and Fog,
by P. N. Kravikov, 6 pp.

RUSSIAN, per, Trudy Glavnoy Geofiz. Observ.,
No. 10, 1960, pp 75-78. 9672000

FTD MCL-1340/1

Sci. - Geophysics

176, 124

14 Dec 61

Results of Laboratory Experiments on the
Ice-Forming Activity of Certain Substances in
Supercooled Fog, by P. N. Krasikov, 10 pp.

RUSSIAN, per, Trade Gateway Geofin Office,
No 104, 1960, pp 19-24, 9672000

FTD NEU-4140/7

3rd. - 3rd. 1960

176, 1960

14 Dec 61

RJ-3874

The Influence of the Frequency and Intensity
of Acoustic Vibrations on the Rate of
Evaporation of Fog, by N. P. Evstafiev
12 pp.

RECEIVED, per, Erady Glavady General, Casey,
Its 10th, 1960, 10 85-94 9572000

FID TEL 15000

Ref. 1. Receipts

14 Dec 61

7-387

62-13285

Fateev, N. P.
SURFACE SOIL TEMPERATURE MEASUREMENT
BY MEANS OF A ZERO-RADIATION METHOD
(Izmerenie Temperatury Poverkhnosti Pochvy Radiatsionno-Nulevym Metodom) tr. by Irene A. Donohoo.
Oct 61 [8 p. 6 refs.
Order from OTS or SLA \$1.10

62-13285

Trans. of Glavnaya Geofizicheskaya Observatoriya,
Leningrad. Trudy (USSR) 1960, no. 108(170),
p. 59-63.

DESCRIPTORS: *Soils, *Surface temperatures,
Measurement, Instrumentation, *Thermodynamics,

A method and a diagram of the instrument for measuring the surface soil temperature by its radiation are presented. The method proposed makes it possible to measure surface soil temperature within an accuracy of 0.1° .
(Physics--Thermodynamics, TT, v. 8, no. 2)

- I. Title: Zero radiation method
- I. Fateev, N. P.
- II. Weather Bureau,
Washington, D. C.

Office of Technical Services

Some Quantitative Characteristics of the Evolution
of Depressions, by N. I. Yakovleva.

RUSSIAN, per Trudy Glav Geofiz. Observ, No 114,
1960, pp 47-50.

ILL M 5009

Sci -Earth, Sci & Astron
Mar 63

226,800

THE CONSTRUCTION OF CHARTS USING AN ELECTRONIC
COMPUTER, BY L. S. GANDIN, V. P. BOLTENKOV.

RUSSIAN, P.R., TRUDY GLAV GEOFIZ OBSERV, NO 114,
1960, PP 90-103.

NLL M. 38L3

SCI - ENGR

GB/259

OCT 62

213,015

THE TRANSFER OF MASS, HEAT AND MOISTURE
ACROSS THE EQUATOR, BY L. R. RAKIPOVA.

RUSSIAN, PER, TRUDY GLAVNOY GEOFIZ OBSERV,
NO 114, 1960, PP 104-113.

NLL M. 3814

GB/259

SCI - GEOPHYS

214,166

OCT 62

62-13286

- I. Pivovarova, Z. I.
 II. Weather Bureau, Washington,
 D. C.

Pivovarova, Z. I.
 THE CHIEF CHARACTERISTICS OF THE RADIATION
 REGIME OF THE EUROPEAN TERRITORY OF THE
 USSR (Osnovnye Kharakteristiki Radiatsionnogo
 Rezhima Evropeiskoi Territorii SSSR) tr. by Irene A.
 Donahoo. Oct 61 [21] p. 9 refs.
 Order from O'S or S. A. \$2.60 62-13286

Trans. of Glavnaya Gofizicheskaya Observatoriya.
 Leningrad. Trudy U.S.R. 1960, no. 113(177), p. 77-94.

DESCRIPTORS: USSR; Europe. *Thermal radiation.
 Sun, *Solar energy, Measurement, Diurnal variations.
 Albedo, Periodic variations. Meteorology.

The principal characteristics of the radiation regime
 in the European Territory of the USSR are investigated
 according to the data of actinometric stations taken du-
 ring the IGY. Average monthly intensity values and
 monthly totals of the constituents of the radiation bal-
 (Earth Sciences--Meteorology, IT, v. 8, no. 1) (over)

Office of Technical Services

Conditions for the Transformation of Low EX
Cloud Into Fog, and Fog Into Low Cloud, by
P. A. Voroninsov.

RUSSIAN, part, Trudy Glavnaia Geofizicheskaya
Observatoriya, No 106, 1961, pp 10-18.

NLL/M. 5082

Sci-Earth Oct
July 68

236,259

Variations in the Total Content of Atmospheric
Ozone in Depressions and Anticyclones, by Gvi-chi

RUSSIAN, per, Trudy Glav Geofiz Observ, No 106,
1961, pp 19-36.

REL. IN 28 5081

Sci. - Earth Sci & Astron
May 63

229,334

Comparative Characteristics of Data on Atmospheric
Ozone Obtained During the International Year at
Several Stations, by G. P. Gushchin, R. G. Romanova.

RUSSIAN. per, Trudy Olav Geofiz Observ, No 106,
1961, pp 37-43.

NLL N 5006

Sci - Earth Sci & Astron
Mar 63

226,546

Measurements of the Vertical Components of Wind
Speed from an Aircraft, by V. A. Zaitsev.

RUSSIAN, per, Izv. Gos. Geofiz. Observ, No 106,
1961, pp 82-83.

ML N 5080

Sci - Earth Sci & Astron
May 63

229,44

Determination of Vertical Gusts of Wind
According to the Vibration of an Airplane in
Flight, Allowing for the Pilot's Action on
the Control Levers, by A. S. Dubov.
RUSSIAN, per, Trudy Glavnaya Geofiz Observ, 1961,
pp 109-124.
*FTD-MT-64-437

Sci
Oct 64

Proceedings of the Main Geophysical Observatory
named A. I. Voeyskova, by D. I. Leykhtman, 180 pp.

RUSSIAN, bk, Trudy Glav Geofiz. Observatorii, No 107,
1961, pp 1-201.

ACSI 1-1719

ID 2153226

Sci - Geophya
Jan 63

220,752

62-11706

Bogdanova, N. P. and Lebedev, A. N.
THE RELATIONSHIP BETWEEN THE WEATHER
AND CLIMATIC CHARACTERISTICS AND THE
RADIATION TEMPERATURE OF THE UNDERLYING
SURFACE (Svyaz' Pogodnykh i Klimaticheskikh
Kharakteristik Radiatsionnoi Temperatury
Podlelayushchei Poverkhnosti) tr. by Irene A. Conehoo
May 62, 16p. 1 ref.
Order from OTS \$0.50

62-11706

Trans. of Glavnya Geofizicheskaya Observatoriya,
Leningrad, Trudy (USSR) 1961, no. 109[171]
p. 38-52.

DESCRIPTORS: Geophysics, *Thermal radiation,
Measurement, *Meteorology, *Climatic factors,
Collecting methods, Instrumentation, Aircraft,
Temperature.

Measurements were carried out that made it possible
(Earth Sciences--Meteorology, TT, v. 8, no. 6) (over)

I. Bogdanova, N. P.
II. Lebedev, A. N.
III. Weather Bureau,
Washington, D. C.

Office of Technical Services

THE ALBEDO OF LARGE TERRITORIES, BY V. L. GAYEVSKIY.

RUSSIAN, PER, TRUDY Leningrad Glavnoy Geofiz
OBSER', NO LOG, 1961, PP 61-75.

NLL M. 3882

SCI - GEOPHYS

NOV 65

217,679

Device for Measuring the Size Spectrum of Spherical
Particles and Fog Droplets, by V. I. Golikov, 21 pp.
RUSSIAN, per, Izv. Akad. Nauk SSSR, No 109,
1961, pp 75-89, 928025
Amer. Meteorol. Soc.

T-R-422

WLL 777375 1964 (J-R-422+) on loan

Sci - E. S. & Astron
Jul 64

TT-64-11827

263,860

The Relation of Visual Range to Meteorological
Conditions, by E. N. Devyalle,
MEXICAL, per. Trudy Glav. Geofiz. Observ.,
No 109, 1961, pp 90-95,
NIL Ref: 5828.47 (7024)

Sci/Atmos
Mar 70

404,120

On the Question of the Mechanism of the Effect
of Hills on Precipitation, by L. P. Kusnetsova.

RUSSIAN, per, Trudy Glav Geofiz Observ imeni
A. I. Voyeykova, No 111, 1961, pp 71-76.

NLL Ref: 5828.4 1963 (5461) (loan)

CT 5 77-64 15712

May 64

(DO-6832)

The Principles of a Rational Distribution of a
Meteorological Station Network, by L. S. Gandin,
22 pp.

RUSE.AII, per, Trudy Glav Geofiz Observ imeni
A. I. Vayekova, I No III, 1961, pp 81-98.

JPRS 14165

Sci - Geophys
Jun 62

203,515

(DC-6832)

Heliogeophysical Relationships During Various
Forms of Atmospheric Circulation, by
T. V. Pokrovskaya, N. L. Spitayna, 9 pp.

RUSSIAN, per, Trudy Glav Geofiz Observ imeni
A. I. Veyeykova, No 111, 1961, pp 118-125.

JPRS 14165

Sci - Geophys
Jun 62

203,516

(DC-6832)

The Improvement and Practical Application of the
Synoptic-Climatological Method of Long-Range
Hydrometeorological Forecasts, by
L. A. Vital's, 23 pp.

RUSSIAN, per, Trudy Glav Geofiz. Observ. imeni
A. I. Voznykhova, No 111, 1961, pp 136-152.

JPRS 14165

Sci - Geophys
Jul 62

203, 628

(DC-6832)

An Analysis of XI Solar Activity in Prognostic Relationships, by L. A. Vitel's, 35 pp.

~~RUSSIAN, per, Trudy Glav Geofiz. Observ. i~~
A. I. Vovaykova, No 111, 1961, pp 153-178.

JPRS 14165

Sci - Geophys
Jun 62

203, 629

Distribution of Snow Cover on the Territory of the
Northwestern Administration of Hydrometeorological
Service, by A.V. Dunayeva.

RUSSIAN, per, Glav Geo Obser, Trudy, 1963, vol. no. 112
pp. 107-115.

AGU

ES/Astron
Aug 66

7
306,648

Compensated Photometer for Accurate Measurements
and Recordings of the Transparency of the
Atmosphere, by V. I. Goryshin, 30 pp.

RUSSIAN, per, Trudy Glavnaya Geofizicheskaya
Observatoriya, Leningrad, Issledovaniya
Radiatsionnykh Protessov, No 118, 1961, pp 26-41.

*FTD-MT-63-15

Sci - Geophys
Feb 63

RUSSIAN

JRS 55821

CBO: 02343/72 W
10 April 1972 SF

BPP

Experimental study of the spectral transmittance
of the atmosphere, by Yu. I. Rabinovich and
L. M. Guseva.

Leningrad, Tруды GOO, Issledovaniye radiatsionnykh
protsessov, No. 118, 1961, pp 69-76.

Please publish, also make reproductions and doc.
may be clipped.

T. D. 14 April 1972.

Optical Characteristics of Arctic Air Masses,
by W. I. Wikitinskaya, 8 pp.

RUSSIAN, per, Trudy Glavnaya Geofizicheskaya
Observatoriya, Leningrad, Issledovaniya
Radiatsionnykh Protessov, No 118, pp 77-81. 7615434

6 FTD-MT-63-17 1461

Sci - Geophys
Feb 63

ON THE RELATIONSHIPS AMONG THE COEFFICIENTS OF
TURBULENT MOMENT, HEAT , AND MATTER TRANSFER
IN THE SURFACE LAYER OF THE ATMOSPHERE,
BY I. L. SENDERIKHINA, 23 PP.

RUSSIAN, PER, TRUDY GLAVNOY GEOFIZICHESKOY
OBSERVATORII IMENI A. I. VOYEYKOVA, NO 121,
1961.

JPRS 1788299

SCI - GEOPHYS

JAN 68

220,901

Kotov, N. F.
A NEW CODE FOR THE NETWORK OF RADAR
STORM-WARNING STATIONS. [1961] 12p.
Order from ATS \$19.90 ATS-02N58R

Trans. of Glavnaya Geofizicheskaya Observatoriya
[Leningrad]. Trudy (USSR) 1961, no. 120 [182]
p. 3-14.

DESCRIPTIONS: *Coding, Weather stations, *Storms,
Electrical networks, *Meteorological radar.

(Earth Sciences--Meteorology, TT, v. 7, no. 10)

62-12672

- I. Kotov, N. F.
- II. ATS-02N58R
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

62-12568

Kotov, N. F.
DETERMINATION OF THE RADAR CHARACTERISTIC OF THE THUNDER STATE OF RAIN-STORMS. [1961] 7p.

Order from ATS \$11.95

ATS-03N53R

Trans. of Glavnaya Geofizicheskaya Observatoriya
(Leningrad). Trudy (USSR) 1961, no. 120[182]
p. 27-36.

DESCRIPTORS: *Meteorological radar, *Magnetic
storms, Thunderclouds, *Precipitation.

(Earth Sciences--Meteorology, TT, v. 7, no. 9)

- I. Kotov, N. F.
- II. ATS-03N53R
- III. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Brylev, G. B. and Sal'man, E. M.
RADAR ECHOES FROM DIELECTRIC INHOMOGE-
NEITIES OF THERMAL NATURE. [1961] 8p.
Order from ATS \$8.45 ATS-04N58R

Trans. of Glavnaya Geofizicheskaya Observatoriya
[Leningrad]. Izv. (USSR) 1961, no. 120[182]
p. 37-44.

DESCRIPTORS: *Radar echo areas, *Dielectric proper-
ties, Temperature

(Earth Sciences--Meteorology, TT, v. 7, no. 10)

62-12570

- I. Brylev, G. B.
- II. Sal'man, E. M.
- III. ATS-04N58R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Kotov, N. F. and Zhui-Tsyzun, K.
SOME RESULTS OF RADAR STUDIES ON THE
MOTIONS OF INSTORM AND THUNDERSTORM
CELLS. [1961]
Order from ATS \$11.95 ATS-05N58R

Trans. of Glavnaia Geofiz. [icheskaya] Observatoriya
[Leningrad]. Trudy (USSR) 1961, no. 120[182]
p. 45-51.

DESCRIPTORS: Radar analysis, *Storms,
Precipitation

(Earth Sciences--Meteorology, TT, v. 7, no. 10)

62-12548

- I. Title: Thunderstorms
- I. Kotov, N. F.
- II. Zhui-Tsyzun, K.
- III. ATS-05N58R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Kramich, K. F. and Solov'ev, V. A.
SOME DISTINGUISHING CHARACTERISTICS OF
THUNDERSTORMS AND RAINSTORMS. [1961] 8p.
Order from ATS \$12.10 ATS-06N58R

Trans. of Glavnaya Geofizicheskaya Observatoriya
[Leningrad]. Trudy (USSR) 1961, no. 120[182]
p. 52-59.

DESCRIPTORS: *Storms, *Precipitation, Lightning,
*Thunderclouds.

(Earth Sciences--Meteorology, TT, v. 7, no. 10)

62-12550

1. Title: Thunderstorms
- I. Kramich, K. F.
- II. Solov'ev, V. A.
- III. ATS-06N58R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Some Regularities in the Structure of the
Geopotential Field, by M. I. Yudin.
RUSSIAN, per. Trudy Glav. Geofiz. Observ.,
Vol 121, 1961, pp 3-18.
MLL Ref: 9022.581B 1966 (394 10)

Sci-E Sci
Aug 66

309,156

On the Transfer of Mass, Heat and Moisture
Across the Equator, by L. R. Bakipova.

HESSIAN, per, Trudy Slav Geofis Observ, 1961,
pp 18-19.

HEI N 5161

Sci - Earth Sci & Astron
May 61

229,56.5

Determination of Vertical Wind Gusts
on the Basis of Oscillations of Aircraft
in Flight with the Pilot's Action on
Control Levers Taken Into Account, by
A. S. Dubov, 25 pp.

RUSSIAN, per, Trudy Glavnoy Geofiz
Obsl, No 121, 1961, pp 109-124.

9698900

FTD-MT-64-437

Sci - Aero
Mar 66

296,416

A Method of Calculating the Duration of
Precipitation, by A. N. Lebedev, L. A.
Saltykova.

RUSSIAN, per, Trudy Glav Geofiz Observ,
Vol. CXXXI, 1961, pp 48-60.

NO 122

MLL N 3983

Sit - Geophysics
Feb 63

223,558

Rational Distribution of Glaze Ribs in the
USSR, by A. V. Rudneva. (9680443) 11 pp

RUSSIAN, per, Trudy Glav Geofiz Observ, No 122,
1961, pp 68-74.

AID Report T-63-37

Sci - Earth Sci & Astron
Apr 63

229,322

On the Attenuation of Solar Radiation in the Upper
Layers of the Troposphere, by Yu. I. Rabinovich,
5 pp.

RUBINIAN, per, Trudy Glavnya Geofizicheskaya
Observatoriya, No 125, 1962, pp 54-57. (9683462)

AID Report T-63-75

Sci - Earth Sci & Astron
Jan 63

234,261

Daily Influx of Total Solar Radiation With Different
Types of Cloud, by B. M. Gal'perin.

RUSSIAN, per, Trudy Glavnoy Geofiz Observ, No 125,
1962, pp 62-75.

NLL(LOAN)Ref: 5828.4 1963 (5438)

Sci-Earth Sci & Astron
April 64

WINTER PRECIPITATIONS INDUCED BY ITALIAN ANTIHAIL
ROCKETS, BY XXXXXXXXXX

M. BASHKIROVA, M. A. KHMACH, 7 PP.

IR' AN, BK, TRUDY GLAVNOY GEOFIZ OBSERV IMENI
A. I. VOYEKOVA, X NO 126, 1962, PP 3-7.

JPRS 18696

ATS-12 PLSR

SCI - EARTH SCI - ASTRON

APR 63

228, #502

S-47/63

On the Use of Hygroscopic Salts in Anti-hail
Rockets, by V. Ya. Nikandrov. 3pp ~~(NY-7475)~~

RUSSIA, bk, Trudy Glavnoy Geofiz Observ imeni
A. I. Voyeykova, No 126, 1962, pp 8, 9.

*JPRS 116-10

Sci - Geophys
1 Feb 63

A METHOD FOR THE USE OF AQUEOUS SOLUTIONS ~~AM~~ OF
LEAD IODIDE AS AGENTS IN SUPERCOOLED CLOUDS AND
FOGS, BY YE. V. BAKULINA, T. N. GROMOVA, 9 PP

RUSSIAN, BK, TRUDY GLAVNOY GEOFIZ OBSERV IMENI
A. I. ~~E~~ VOYEKOVA, NO 126, 1962, PP 10 - 15.

JPRS 18696

SCI - EARTH SCI-ASTRON

APR 63

228,503

S-47/6;

Experience of Modification of Supercooled Clouds
Using Aqueous Solutions of Lead-Iodide, by
T. N. Gromova, et al. (NY-7475)

RUSSIAN, bk, Trudy Glavnoy Geofiz Observ imeni
A. I. Voyeykova, No 126, 1962, pp 16-21.

Q
*JPRS

HTS-15P65R

Sci - Geophys
1 Feb 63

SOLID FUEL TORCHES AS MEANS FOR INTRODUCING
CRYSTALLIZATION NUCLEI IN FOGS NEAR THE GROUND,
BY V. YA. NIKANDROV, 5 PP.

RUSSIAN, BK, TRUDY GLAVNOY GEOFIZ OBSERV IMENI
A. I. VOYEKOVA, NO 126, 1962, PP 22-24.

JPRS 18696

SCI - EARTH SCI-ASTRON

APR 63

228,505

HAIL. FORECASTING, BY N. S. SHISHKIN, 15 PP.

RUSSIAN, BK, TRUDY GLAVNOY GEOFIZ OBSERV IMENI
A. . VOYEKOVA, NO 126, 1962, PP 25-32.

JPRS 18696

SCI - EATH SCI-ASTRON

APR 63

NALM 5083

228,506

FORECAST OF THE AMOUNT OF AIR-MASS SHOWER
PRECIPITATION, BY V. T. LENSIN, G. I. OSIPOVA,
12 PP.

RUSSIAN, BK, TRUDY GLAVNOY GEOFIZ OBSERV IMENI
A. I. VOYEKOVA, NO 126, 1962, PP 33-39.

JPRS 18696

SCI - EARTH SCI-ASTRON

APR 63

ITS-1065R

228,508

SOME RESULTS OF THE ANALYSIS OF NETWORK OBSERVA-
TIONS OF CLOUDS AND PRECIPITATIONS IN THE LAKE
SEV. MOUNTAIN BASIN, BY A. P. CHUVAYEV,
G. I. OSIPOVA, 25 PP.

RUSSIAN, BK, TRUDY GLAVNOY GEOFIZ OBSERV IMENI
A. I. VOYEKOVA, NO 126, 1962, PP ~~20-21~~

JPRS 18696

40-56

SCI - EARTH SCI-ASTRON

ATS-19P65E

APR 63

228,507

CONNECTION AMONG PRECIPITATIONS IN VARIOUS
REGIONS OF THE LAKE SEVEN BASIN, BY V. T. LENSIN,
G. I. OSIPOVA, 8 PP.

RUSSIAN, BK, TRUDY GLAVNOY GEOFIZ OBSERV IMENI
A. I. BOYEYKOVA, NO 126, 1962, PP 57-61.

JPRS 18696

SCI - EARTH SCI-ASTRON

FTS-20P65R

APR 63

228,509

CA

CALCULATION OF THE BASE HEIGHT OF LOW STRATIFORM
CLOUDS, BY V. S. KOZHARIN, 14 PP.

RUSSIAN, BK, TRUDY GLAVNOY GEOFIZ OBSERV IMENI
A. I. VOYEKOVA, NO 126, 1962, PP 62-69.

JPRS 18696

SCI - EARTH SCI-ASTRON

63-12612

APR 63

228,510

ALTITUDE VARIATIONS OF MICROSTRUCTURE IN CLOUDS
OF VARIOUS TYPES, BY G. T. NIKANDROVA, 14 PP.

RUSSIAN, BK, TRUDY GLAVNOY GEOFIZ OBSERV IMENI
A. I. VOYEKOVA, NO 126, 1962, PP 70-78.

JPRS 18696

SCI - EARTH SCI-ASTRON

ATS-22P5R

APR 63

228,511

SOME PECULIARITIES IN THE PATTERN OF SUMMER
PRECIPITATION ON THE LEEWARD SLOPES OF
MOUNTAINS IN ARID ZONES OF ARMENIA, BY
A. P. CHUVAYEV, 18 PP.

RUSSIAN, BK, TRUDY GLAVNOY GEOFIZ OBSERV IMENI
A. I. VOYEKOVA, NO 126, 1962, PP 79-89.

JPRS 18696

SCI - EARTH SCI-ASTRON

APR 63

ATS-23P65R

JPRS notified
15 Apr 63

228,512

Ye. N. Romanova

Some regularities in redistribution of moisture on
slopes 13 pp

RUSSIAN, per, Trudy Leningrad. glavaniya geofizicheskoy
observatory, No 147, 1963, pp 66-82

ONASA TT F 14,352

july 72

The Relationship Between the Height of
Cloud Bases and Visual Range at the
Ground, 9 pp.

RUSSIAN, per. Trudy Glavnyy Geofiz

Uspekh, No 153, 1964, pp 11-17. 9699834

PTD-TT-65-551

Sci - Earth Sci & Astron
Mar 66

297,611

Automatic Switching of Filters in the Recording of
Abruptly Changing Luminous Fluxes, by O. I. Kasatkina,
L. B. Krasil'shchikov.
RUSSIAN, per, Trudy Glavna Geofiz Observator, No 153,
1964, pp 75-77.
*FTD-TT-68-551

Sci - Phys
May 68

On the Crystallization of Supercooled
Gogs When an Atomized Saturated Solution
of Lead Iodide is Injected, by
G. M. Bashkirova, T. A. Pershina.
RUSSIAN, per, Trudy Glav Geofiz Obser,
No 176, 1965, pp 43-50.
NTC 69-10523-04B

Sci-Atmos Sci
Jul' 69

386,642

NCH-202 022

Field 4B

Dovgall, A. N.
THE VISIBILITY DISTANCE IN VARIOUS METEOROLOGICAL PHENOMENA. 1965, 5p, (figs omitted) 5 refs.
Trans-F.113.
Order from NLL.

1. National Lending Library
for Science and
Technology,
Boston Spa (England)

Trans. of Sibirskaya Geofizicheskaya Observatoriya,
Leningrad, Izv. (USSR) n153(215) p93-101 1964.

NCH-202323

Field 4B

Mabotki, L. G.
VISIBILITY, THE SIZES OF THE OBSCURING PARTICLES,
AND TRAUBERT'S FORMULA. 1965, 12p, (figs omitted:
23 refs, Trans-F. 114.
Order from: NLL.

Trans. of Glavnaya Geofizicheskaya Observatoriya,
Leningrad. Trudy (USSR) n153(215) p102-10 1964.

1. National Lending Library
for Science and
Technology.
Boston Spa (England)

Distribution of Condensation Nuclei Over the Ukrainian
Meteorological Polygon, by Ye. S. Yelazneva, 11 pp.
RUSSIAN, per, Trudy Glav Geofiz. Observ, Vol CLIV,
1964, pp 8-10.
IPRS 28135

Sci-Ear Sci & Astron
Feb 65

273,126

Atmospheric Gases and Ion Streams, by G. P. Gushchin,
I. A. Shadrin, 1964
RUSSIAN, Vol. Trudy Gruzskogo Observ, Vol CLIV,
1964, pp 24-29
JPRS 24127

Sci-Ear Sci & Astron
Feb 65

273,134

Some Results of an Experimental Investigation of the
Structural-Energy Characteristics of Turbulence in
Clouds, by M. A. Gerasimov, 17 pp.
RUSSIAN, per, Tsvet' Glav Geofiz Observ, Vol CLIV,
1964, pp 46-57.
JPRS 28184

Sci - Air Sci & Astron
Feb 65

273,129

Method for Investigation of the Turbulent Regime of the
Boundary Layer Using Data From Accelerograph Records
at P. L. Arak'yan, P. A. Yermakov, M. A. German, 18 pp/
RUSSIAN, Izv. Akad. Nauk SSSR, Ser. Fiz. Gid. Geol. Observ, Vol CLIV,
1964, pp 64-77.
JPR: 28133

Sci-Ear Sci & Astron
Feb 65

273,087

Experience Using Pilot Balloons With a Suspended Base,
by I. I. Chestakov, I. I. B.
RUSSIAN, per, Trudy Geograficheskogo Observ, Vol CLIV,
1964, pp 78-84.
JPRS 28182

Sci-Bar Sci & Astron
Feb 65

273,086

Comparison of Air Temperature and Humidity Measurements in the Layer Up to 1.5 km By a Mechanical Mesorograph Carried Aboard a Helicopter and by an A-12 JV Reconnaissance by V. L. Solovskaya, 7 pp.
RUSSIAN, per: Trudy Glav Geofiz Observ, Vol CLIV, 1964, pp 85-89.
JPRS 281531

Sci-Ear Sci & Astron
Feb 65

273,084